

Table 5.1-2. Upland Site Pathway Assessment Summary.

Site Name	EPA Comment No.	ECSI #	River Mile	River Bank	Potential Upland and Over-Water Sources	Pathway Summary															
						Groundwater				Direct Discharge						Overland Transport			Riverbank Erosion		
										Storm/Wastewater			Overwater Discharges								
						COIs	Potentially Complete Pathway	Historic/ Current	NAPL	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current
ACF Industries	123	794	4	West	Former UST area, sandblasting, painting, adjacent rail tracks		d c d	H	Y(H)	1,4,7 (Stormwater Ditch)	a b b	H H,C H		d			d		d		
Alder Creek Lumber Co.		2446	2.7	West	Wood waste leachate, private outfalls, overwater dock, potentially contaminated dredge material	NS	c	?	?	11	c	H,C	NS	c	?	11	c	?	11	a	H,C
Anderson Brothers		970	8	West	Former UST, paint spill area, historic waste disposal system	NS	c	?	?	11	c	H,C?		d			d		d		
ARCO		1528	4.9	West	Truck-loading rack area, remanufacturing warehouse, tank farms, historic spill areas, groundwater plume, seepage from interceptor well and seawall, dock operations	1,3,4,7	a	H,C	Y	1,3,4,7	b	H,C	3,4,7	b	H,C H*		d		d		
Arkema	124	398	7.3	West	Former unlined MPR pond and trench, historic discharge through pipe, unpaved areas with contaminated soils, historic spill areas, stormwater outfalls, contaminated groundwater plume	1,2,5,7,10	a	H,C	Y	1,5	a	H H,C H	NS	c	H	5,7	c b c	H	5,7 1,2,5,7,10 5,7	b	H,C
Babcock Land Co.		2361	4.4	West	Foundry sand, historic dock operations	NS	c	?	?	NS	c	?	NS	c	H	NS	c	?	NS	c	?
BNSF		3395	8	West	DTL fueling and switching operation, former AST, historic track switch lubrication, diesel spill area	NS	c	?	N?	7	c	H,C		d			d		d		
Burgard Ind. Park - Boydston Metals, Portland Blast Media	125	2362	4.1	East	Oil storage area, contaminated soils, stormwater outfall, unknown source	1	c	H,C	N	3,6,7	c	H H,C C?		d			d		d		
Burgard Ind. Park - Noncontiguous Properties	126	N/A	4.1	East	Former shipyard sewer and stormwater discharges, groundwater contamination on NW Pipe leased property (2)	1,2,4	c	H,C	Y N N	11	c	?		d		NS	c	?	NS	c	?
Burgard Ind. Park - NW Pipe	127	138	4	East	ASTs and 55-gallon drums, pipe lining and coating building, transformer storage area, asphalt dipper tank, industrial well, dust suppressant use, alleged solvent and petroleum dumping areas, catch basins and storm drains	1,3,4,7	c	H,C	Y Y? Y?	1,3,4	b	H, C?		d			d		d		
Burgard Ind. Park - Portland Container Repair	128	2375	4	East	PCE groundwater contamination (source unknown), PCB-contaminated soil (since removed), fuel truck parking area, wash pad area	1	c	H,C	N	4 (/) 4 (?) 4 (?)	c	H,C?		d			d		d		
Burgard Ind. Park - Schnitzer Steel, Calbag Metals	129	2355	4	East	Former NW Oil Co. tanks, former sanitary sewer and stormwater discharges, former shipyard shipways, ASR on ground surface, storm drains and outfalls, over-water activities	1,4,6 1,4,6,7 1,4,6,7	c	H,C	N	1,4,6 (?)	b a b	H,C	1,4 1,4,7 1,4	b	H,C? H*	NS	c	?	3,4,5 3,4,5?,6,7 3,4,6,7	c	H
Calbag Metals - Front Ave.	130	2454	8.5	West	Stormwater runoff to Outfall 19		d		N	6,7,9	a	H H,C H,C		d			d		d	H,C leave blank	
Cascade General (Portland Shipyard)	131	271	8.5	East	Paint shed and blast booth area; BWTP; Buildings 43,50, and 80 areas; Building 73, 4, and 58; WSI storage area; substations; USTs; N. Channel Ave. fabrication site; drydocks and berths	1,7	c	H,C	N	1,3,4,6,7 1,3,4,6,7,8,9 1,3,4,6,7	c b c	H,C H,C? H,C	3,7,8,9	b	H?,C	NS	c	?	NS	c	?
Chase Bag		2424	9.2	West	Subsurface groundwater VOC plume, former UST, observed leaking drums along east and south boundaries, observed pool of petroleum substance	1	c	?	?	NS	c	?		d			d		d		
Chevron Asphalt Refinery		1281	8	West	Historic spills and boilovers	1,3,4,7	c	H,C	Y	1,3,4,7	c	?		d			d			d	

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Christenson Oil		2426	8.8	West	Historic spills, stormwater conveyance, unnamed creek	NS	c	?	?	1,3,4,7	a	H, C?		d			d			d	
City of Portland - BES	132	2452	6.1	East	Historic operations (lumber mill, fruit box manufacturing), fill and debris material, subsurface electrical conduit, historic lumber mill deck, WPCL	4,6,7 leave blank	d c d	H,C? leave blank	N	11 4,6,7 11	c	H,C	5 10 NS	c	H	4,7	c	? H? H?	NS	c	?
Columbia American Plating		29	9.5	West	Spills and releases	1,2,7,10	c	H,C	N	1,2,7,10	b	H		d			d			d	
Consolidated Metro	133	3295	2.2	East	PAH-contaminated fill material, cutting fluid spills, catch basins and storm drains	3,4	c	H,C	Y N Y	3,4	a	H,C H,C? H,C		d			d			d	
Crawford Street Corp.		2363	6.5	East	Historic and current manufacturing operations, historic and current site runoff, sandblast fill material, former UST, electrical transformer, railroad right-of-way, historic dock operations, historic private outfalls, beach metal debris	11	c	C	N	1,3,4,6,7	c	?	1,3,4,6,7	c	H	1,3,4,6,7	b	H,C	1,3,4,6,7,9	b	H,C
Exxon/Mobil Oil Terminal	134	137	5	West	North and Center tank farms, fuel loading rack,over-water fuel transfer spills	1,3,4,7	a	H,C H,C? H,C?	Y	1,4	b	H,C	1,3,4	c b b	H,C H*		d			c	H
Foss Maritime/Brix Marine		2364	5.7	West	Former gasoline and lube oil UST and pipelines, former gasoline dispenser area, former 30-weight oil pipeline area, current lube oil and diesel UST and pipelines, catch basins, transformers, overwater activities (vessel servicing and emmissions)	1,3,4,7	b	H,C	Y	NS	c	?	1,2,3,4,7,8	b	H,C? H*	NS	c	?	NS	c	?
Fred Devine Diving and Salvage	135	2365	8	East	Maintenance operations, former USTs, ASTs, PGE transformers, catch basins, over water spills, vessel emisions, storage area NE of warehouse	NS	c	?	?	2,3,4,7,9	c b b	H,C	2,3,4,7,9	c	H,C H*	4,7,8, 9	c	H,C	NS	c	?
Freightliner TMP	136	2366	8.5	East	Former USTs, former wheel paint booth, stormwater discharges	1,2,4	c	H,C	Y Y? Y	7	c b c	H,C		d			d			d	
Freightliner TMP2 (Parts Plant)	137	115	9.3	East	Former UST, former wet filter paint booths, stormwater discharges	1,2,4	c	H,C	Y(H) Y(H)? Y(H)	7	c b b	H, C H, C?		d			d			d	
Front Avenue LP Properties (CMI NW, Hampton, Lonestar NW/Glacier NW, Tube Forging)	138	1239	8.3	West	Slag fill material, Parcels 1,2, and 3 former and current operations, caustic-lube oil and graphhic lube oil discharges to stormdrain, overwater activities	1,2,3,4,6,7	c	H,C	Y	1,2,3,4,6,7	c b b	H,C?	4	b	H,C H*	1,2,3,4,7	c	?	7	c a c	?
Gasco (NW Natural, Koppers, Pacific Northern Oil)	139	84	6	West	Former retort area, former tar processing area, former light oil plantKopperCo. Plan/Current KI tank Farm, former naphthalene plant, former coke oven area, former pitch plant/tar loading area, former tar settling ponds, former Kopper co./Current KI pencil	1,3,7,10 1,2,3,4,7,10 1,1,2,2,3,4,7,10	b a b	H,C	Y	1,3,7,10 1,2,3,4,7,10 1,1,2,2,3,4,7,10	a	H,C	3,4	c	H, C?	1,3,7,10 1,2,3,4,7,10 1,1,2,2,3,4,7,10	d a a	H,C? H	1,2,3,4,7,10 0 1,1,2,2,3,4,7	a	H,C
GE Decommissioning	140	4003	9.5	West	Former equipment handling and pressure washing areas, report of subsurface oil in storage yard, former transformer pit outlet drain, catch basins and storm drains	NS	c	?	?	3,4,6,7	a	H H,C? H..C?		d			d			d	
Georgia Pacific - Linnton		2370	3.6	West	Gasoline UST and soil rememdiation pile, ASTs, former ACF site, former wood-treating plant, former Linnton Oil fire training grounds, dock and former overwater fueling	1,3	c	H,C	N	1,3,4	c	H,C	NS	c	?		d		NS	c	?

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Goldendale Aluminum	141	2440	10	East	Former alumini and pitch handling operations, ASTs, former USTs, storage buildings, transformers, outfalls, overland runoff areas, historic grain shipment facility, dock operations and spills	11 leave blank	c d d	H N leave blank	N	3,4,7 11 leave blank	c d d	C N leave blank	3,4,7	a	H	1,2,3,4,6,7	c	H	NS	c	?
Gould Electronics/NL Industries	142	49	7.2	West	Former smelter and other site operations, historical landfilling operations, surface and subsurface soil contamination, former East Doane Lake sediment, current onsite containment facility	1,5,7,9,10 11 1,5,7,9,10	c d c	H?,C N H?	N	1,5,7,10	a	H		d			d			d	
GS Roofing		117	7.5	West	Facility operations, former USTs, storm sewer catch basins/drains, and O/W separators, former wastewater discharge, landfilled materials, railroad spur, finished products storage area	1,2,4,6,7	c	H,C	Y(H)	1,3,4,7	b	H,C?		d		NS	c	?	NS	c	?
Gunderson	143	1155	8.8	West	Former TCA tank, marine paint and blast areas, launchways, former salvage yard, hazardous materials storage areas, marine barge launchways, railcar storage on outfitting dock, fill material in Area 3	1,3,4, 6, 7 1,3,4,7 1,3,4,7	a	H,C	N	4,6,7	c a c	H, C?	1,7	b	H,C H*	1,3,6,7	a	H, C	1,3,6,7	a b b	H,C
Jefferson Smurfit	144	2371	4	East	Former fuel ASTs and USTs, stormwater outfalls	3,4 11 leave blank	c d d	H N leave blank	?	4,7 11 4,7	c d c	H,C N ?		d		NS	c	?	NS	c d c	? N ?
Kinder Morgan Linnton Terminal (GATX)	145	1096	4.1	West	Petroleum fuel storage areas, dock operations	1,3,4,7	a	H,C	Y	7 1,3,4,7 1,4 7	c	H?,C H,C H?,C	1	a	H,C? H*		d		NS	c	?
Lakeside Industries		2372	8.5	West	Former dry wells, Gunderson VOC groundwater plume, dock operations	1	c	H,C	N	NS	c	?	NS	c	?	NS	c	?	NS	c	?
Linnton Oil Fire Training Gds.	146	1189	3.5	West	Residual contaminated soil pockets (remaining after remediation), historic main training area, upper and lower ponds, historic north drainage system (direct discharge to river)	leave blank	d c d	leave blank	N	3,10	a	H H,C? H		d		3 leave blank	c d	H leave blank		d c d	
Linnton Plywood (Columbia River Sand and Gravel)	147	2373, 2351	4.7	West	Eroded bank at maintenace shop area; private outfalls, tug and barge operations at CRSG and historic log operations	4,7 11 4,7,9	d c	H,C N H?	N	1,2,3,4,7	b	H	4,6,7	c	H	3,4,7	b	H	4,7	c	?
Mar Com - North Parcel	148	4797	5.6	East	North Parcel: stained soils, sandblast grit piles, contaminated riverbank soil.	1,2,3,4,7,8,9 leave blank	c d d	H,C leave blank		1,2,3,4,7,8,9 leave blank	b d d	H,C? leave blank	1,2,3,4,7,8,9 leave blank	c d d	H leave blank	1,3,4,7 4,7	b c	H	1,2,3,4,7,8 ,9	c d c	H H,C
Mar Com - South Parcel	149	2350	5.6	East	South Parcel: former sawmill, Building C, steel fabrication building, former warehouse, machine shop, compressor shed, paint booth, contaminated soil in knoll and SW corner	1,2,3,4,7,8,10	c	H,C	N	1,2,3,4,7,8,9	b	H, C?	1,2,3,4,7,8,9	a	H	?	c	H? H,C H,C	1,2,3,4,7,8 ,9	c b c	H,C
Marine Finance (Hendren Tow Boats)	150	2352	5.8	West	Former metal salvage operation, former USTs, former drum storage area, former warehouse, pooled water below stormdrain, overwater dock, stormwater pipe, barge/tug moorage	1,3,4,7,8 leave blank leave blank	d	H?, C leave blank leave blank	N	NS 1,3,4,7,8 1,3,4,7,8	c b b	?	1,2,3,4,7	a	H,C? H*	1,3,4,7,8	c b c	H? H?,C? H?,C?	1,2,3,4,7,8 ,10	c	H H,C H, C

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McCall Oil	151	134	7.4	West	Bulk fuel storage, marine fuel transfers, rail fuel transfers, former CCA and solvent storage, drum storage, underground pipeline corridor, catch basins, upgradient facilities (Chevron, TFA), dock operations	1,2,3,4,7	c	H, C	Y	1,2,3,4,9	c b b	? H,C? H,C?	1,2,3,4	b	H,C? H*		d		NS	c	?
McCormick & Baxter Creosoting	152	74	7	East	Former onsite waste disposal area, former central processing area, former tank farm area, former small waste disposal areas and trench, former dock operations	3,7,10	a	H,C H,C? H, C?	Y	3,7,10	a	H	3,7,10	a	H	3,7,10	a	H	3,7,10	a	H
McWhorter Technologies		135	8.8	West	Historic spills or releases from tanks and pipelines, former creek	NS	c	?	?	1,2,3,4,9	a	H		d			d			d	
Olympic Pipeline		2374	3.5-7.9	West	Pipeline pump station (area of 1995 spill), AST farm, soil stockpile area, injection pump area	1,3,4,7	c	H,C	N	11	c	H,C		d			d			d	
Oregon Steel Mills	153	141	2.4	East	Former Ramsey Lake sump, riverbank fill area, stormwater collection system, historic overwater spills from oil sump transfers	4,7 leave blank	d b d	H,C leave blank	Y, H	3,4,6,7	c a a ³	H H,C H,C	3,4	c	H		d		1,3,6,7	a	H,C
Owens Corning - Linnton	154	1036	3.8	West	Historic releases in pole barn storage area, former wood-processing area, former UST, process area releases in northern portion, historic releases during product unloading at dock		d c d		N	11	c	H H,C H?	3,4	c	H	3,4	c	H,C	3,4	c	H,C
POP - Terminal 1 South	155	2642	11	West	B-5 area, B-37 (dry well area), B-38 area, B 102 area, B-3, B-11, B-97, berths		d c d		N	11	c	H H,C H	NS	c	H		d		NS	c	H
POP - Terminal 1 North		3377	10.6	West	Suspected former UST, former wood-filled ravine, soil beneath Warehouse No. 101	1,3,4,7	c	H?, C	N	11	c	H?, C	NS	c	H		d			d	
POP - Terminal 2	156	2769	10	West	Gearlocker, former Buildings 3060 and 3070, former USTs, berths 201, 202, and 203		d		N	3,4	c	H C? H	NS	c	H,C?		d		NS	c	?
POP - Terminal 4, Auto Storage	157	172	4.8 to 5.6	East	Completely paved storage yard		d		N	11	c	H?,C		d c d			d			d c d	H leave blank
POP - Terminal 4, Slip 1	158	2356	4.7	East	Railroad tracks in western portion of OU1, former paint storage area in OU2, riverbank of Wheeler Bay	3 leave blank	b d d	H leave blank	N	3,5,6,7,8 1,3,4,5,6,7,8,9 3,4,5,6,7,8	c b c	H,C H,C? H,C	3,10	c b c	H H, C H		d		3,7	a	H,C
POP - Terminal 4, Slip 3	159	272	5	East	East end of Slip 3, pencil pitch in limited area of riverbank and Slip 3 bank,	3,4	a	H,C?	Y	3,5,6,7,9	c a c	H,C	3,4	c a c	H H,C? H		d		3	a	H,C
Portland General Electric - Harborton	160	2353	3.3	West	Pockets of subsurface contaminated soils near monitoring wells	3,4	c d c	H H,C H	N	NS	c d c	H H,C H		d			d		NS	c	?
Premier Edible Oils	161	2013	4	East	Near-surface and smear zone contaminated soil in the following areas: 1) former NW Oil Company tank farm, 2) southern shoreline, 3) vicinity of former PEO diesel USTs, 4) WWTP, 5) former process buildings and truck-loading area; historic outfalls	1,3,4,10	c	H,C	Y	1,3,4,7	a	H H,C? H	4,7	a	H	1,3,4	b	H,C	1,3,4	b	?
Rhone Poulenc	162	155	7.2	West	Former insecticide and herbicide areas, former lake area, former East Doane Lake	1,2, 3,4,5,6,7,10	a	H,C	Y	10 1,5,6,7,10 10	c a c	H C H		d		1,5,6,7,10 leave blank	c d d	H leave blank		d	

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RK Storage and Warehousing		2376	4.5	West	Former UST, former stockpiled oily sludge, former stockpiled sandblast grit		d		N	NS	c	H,C	NS	c	H	NS	c	?	NS	c	?
RoMar Transportation Syst.	163	2437	3.8	East	Historic releases from stored scrap metal equipment and parts	NS	c d c			NS	c	H,C H H?,C?		d			d			d	
Ryerson and Son		2441	4.1	East	Historic stormwater trench to slip, USTs	NS	c			NS	c	H,C		d			d			d	
Santa Fe Pacific Pipeline		2104	7	West	Containment area at the SFPP site		d		Y		d			d			d			d	
Schnitzer Investment - Doane Lake (Aire Liquide)	164	395	7.3	West	Former discharge of calcium hydroxide into Doane Lake, former acetone UST, unknown source of subsurface contamination, compressor oil spill	10	c	H ? H?	N	10	a	H H,C? H, C?		d			d			d	
Schnitzer Investment - Kittridge	165	2442	8.4	West	Historic acetylene plant and lime recovery	1,4,7	c d c	H,C H	N	1,4,7,10	a c	H H,C? H		d			d			d	
Shaver Transportation	166	2377	8.4	West	Diesel fuel AST, former diesel fuel USTs, storage building, Overwater activities	NS	c d c			NS	c d c	?	4	b d c	H,C H*	NS	c d c	?	NS	c d c	?
Siltronic	167	183, 84, 155	6	West	PG&E disposal ponds and adjacent lowland areas, PG&C disposal piles, potential PG&C waste product fill (WWTP area and Fab 1 and parking lot), potential disposal area, north drainage ditch and City Outfall 22, former Western Transportation tanks, Olympic p	1,2,3,4,7, 10	a	H,C	Y	1,2,3,4,7, 10	b	H, C?	3,4	c	H	1,2,3,4,7, 10	c	H H,C H	2,3,4,7,10	b	H,C
South Rivergate Ind. Park		2980	2.5 to 3.4	East	J.R Simplot: warehouse storage and transfer or urea, truck storage and transfer of anhydrous ammonia, tank storage and transfer of diesel fuel, overwater transfer of urea, anhydrous ammonia, and diesel fuel. Ash Grove Cement: storage tanks and manufact	NS	c			10	c	H,C	10	a	H,C? H*	NS	c	H,C	NS	c	H,C
ST Services/Shore Terminal	168	1989	5.4	West	Terminal tank farm, dock operations	1,4 leave blank	d c d	H,C? leave blank	N	11	c	H,C?	NS	c	H,C H*	NS	c	?	NS	c	?
Sulzer Bingham Pumps		1235	10.3	West	Former and existing USTs, historic sandblasting areas, hazardous waste storage area (including radioisotopes), electrical substations, historic welding and machine operations on piers, metal slag along riverbank	1,4, 10	c	H,C	?	7	a	H,C?	7	c	?	6	c	H,C	7	c	H,C
Texaco/Equilon - Bulk Terminal		169	8.8	West	Pipe containment, ASTs, foundary sand, historic wooden flume and utilities (possibly a preferential GW pathway)	1,3,4	c	H,C	Y	1,3,4	c	H,C		d			d			d	
Texaco/Equilon - Pipeline		2117	8.8	West	Dock and over-water fueling activities	1,3,4	c	H,C	Y	1,3,4	c	H,C	1,3,4	a	H,C? H*	NS	c	?	NS	c	?
Time Oil	169	170	4 3.5	East	Former wood treatment formulation and storage area, former Main Terminal tank farm, former Bell Terminal tank farm, dock operations	1,2,3,4,7,9,10	c	H,C	Y	3,4,7,10	a	H H,C? H	NS	c	H	1,3,4,7,10 leave blank	c d	H,C H?,C? leave blank	3,7,9	c	H? H?,C? H?
Transloader International		2367	5.6	West	Dolphin and floating walkway, outfall (ownership unknown)	NS	c	?	?	NS	c	?	NS	c	?	NS	c	?	NS	c	?

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						Groundwater				Direct Discharge						Overland Transport			Riverbank Erosion		
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						COIs	Potentially Complete Pathway	Historic/ Current	NAPL	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current
Triangle Park (Riedel Env.)	170	277	7.4	East	Former lumber mills, wood-processing, rail car servicing, oil and fuel storage, former concrete plant, former sludge disposal pond, former ASTs and USTs, former power plant, possible underground fuel storage vault, former chemical storage areas, oil spill, former dock structure and overwater operations	1,2,3,4,5,6,7,9,10	a c a	H,C	N	1,2,3,4,5,6,7,10	b	H,C	3,4,6	c b c	H H,C? H	1,2,3,4,5,6,7,10	b	H,C	1,2,3,4,5,6,7,10	b	H,C
Trumbull Asphalt Plant	171	1160	9.1	West	Asphalt tank farm, roofing production line (historic wastewater discharge to Outfall 18), boiler lines and fuel tank, fume line	1,4	c	H,C	Y	4	c	H H,C? H,C?		d			d			d	
UPRR Albina Railroad		178	10 to 11	East	Existing and former fueling areas, locomotive washing area, wastewater treatment plant, freight car repair shop (former paint stripper area, former UST)	2,3,4,7	c	H,C	N	2,3,4,7	a	H,C?	NS	c	H		d		NS	c	H
US Coast Guard - Marine Safety Station		1338	8	East	Dock and over-water maintenance operations, fuel storage and buried product lines, garage, buoy storage yard, former drum storage area, Mt. Jefferson building, catch basins		d		N	NS	c	?	1,2,3,4,7	b	H,C? H*	NS	c	?	NS	c	?
USACE - Portland Moorings	172	1641	6	West	Former sandblasting area, opil-stained soil at west end of property, historic sunken barge,	11 1,3,7,10,11 11	c	?	?	3,4,7,8	c	H,C	4	b	H,C? H*	3,4,7,8	c	?	NS	c	?
Van Waters & Rogers	173	330	8.9	West	Former recycling area, loading dock area, spill areas	1	c d c	H,C leave blank H,C?	Y	1	c	H H,C? H,C?		d			d			d	
Willamette Cove	174	2066	6.8	East	Spills and historic waste disposal practices on the west, central, and east parcels, slag and beach debris, contaminated groundwater and seeps, riverbank soil, historic drydock activities	2,3,4	c	C H,C C	N	NS	c	H?	NS	c	H	NS	c	?	6	c	H,C
Willbridge Bulk Fuel Facility	175	1549	7.5	West	ConocoPhillips, Chevron, and Kinder Morgan bulk terminals and dock operations	1,3,4,7	a	H,C	Y	1,3,4,7	c	H,C?	1,3,4,7	a	H H,C? H*	NS	c	?	NS	c	?
RM 11-11.8																					
Former Albina Engine and Machine Works Shipyard (and immediate surrounding areas)		3036 (Tucker Bldg.)	11 to 11.6	East	Former shipyard and machine works, former electrical operations (Tucker Bldg, PP&L, Western Electric, and Westinghouse), dust suppression at Cargill, cement handling at Glacier, historical/current overwater operations	3,7	c	?	N	3,4,6,7	c	?	NS	c	H?C?	NS	c	?	NS	c	?
Vermiculite Northwest, Inc (former)		2761	11.2	East	Former vermiculate processing/handling area, possibly containing asbestos	NS	c	?	?	NS	c	?		d			d			d	
Boxer NW Building		4775	11.8	West	Former heating oil tank (now filled), diesel soil contamination	3,4	c	?	?		d			d			d			d	

Table 5.1-2. Upland Site Pathway Assessment Summary.

Site Name	EPA Comment No.	ECSI #	River Mile	River Bank	Potential Upland and Over-Water Sources	Pathway Summary															
						Groundwater				Direct Discharge						Overland Transport			Riverbank Erosion		
										Storm/Wastewater			Overwater Discharges								
						COIs	Potentially Complete Pathway	Historic/ Current	NAPL	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current
Albers Mill		4590	11.6	West	Possible contaminated fill material (Liberty Ship debris); former fuel oil storage tank (now filled) and associated contaminated soil; six former USTs (removed) and associated soil contamination, historic docks	3,4	c	H,C?	?	7	c	H?	3,4,7	c	H	7	c	H,C?	7	c	H, C?
Waterfront Pearl Condominiums Construction Site		4535	11.7	West	Historic flour mill, contaminated fill material (Liberty Ship debris), contaminated subsurface soil (74,000 tons removed), former overwater activities	7	c	?	?	3,4,7	c	H?	3,4,7	c	H	7	b	H,C?	7	c	H,C?
Hoyt Street Railroad (former)		1080	11.6	West	Aboveground petroleum tank farm, train yard and refueling site, possible buried transformers, Tanner Creek sewer preferential pathway for groundwater and soil contamination, adjacent coal gas plant	1,3,4,6,7	a	H	Y	1,3,4,6,7	a	H		d			d			d	
Hoyt Street Railroad - Pearl Court		1624	11.6	West	Aboveground petroleum tank farm, train yard and refueling site, possible buried transformers, Tanner Creek sewer preferential pathway for groundwater and soil contamination, adjacent coal gas plant	3,4,7	a	H	Y	3,4,7	a	H		d			d			d	
Pearl Building		4960	11.6	West	Aboveground petroleum tank farm, train yard and refueling site, possible buried transformers, Tanner Creek sewer preferential pathway for groundwater and soil contamination, adjacent coal gas plant	3,4,7	a	H	Y	3,4,7	a	H		d			d			d	
US Postal Service Processing & Distribution Center		2183	11.7	West	Historic railyard and rail cargo terminal, former manufactured gas plant, former USTs, subsurface contaminated soils	1,3,4,7	c	H,C?	?	1,3,4,7	c	H,C?		d			d			d	
Union Station - Track #5		1414	11.6	West	Former train diesel refueling area		d		N	3,4,7	c	?		d			d			d	
Union Station Agricultural Marketing Center Site		1962	11.6	West	Former rail yard, contaminated dredge fill		d		N	3,4,7	c	?		d			d			d	
Union Station - Parcel B South		1885	11.6	West	Rail yard and rail station, contaminated dredge fill		d		N	3,4,7	c	?		d			d			d	
Union Station Horse Barn		2407	11.6	West	Former rail yard, manufactured gas plant (south)		d		N	3,4,7	c	?		d			d			d	
Gender Machine Works, Inc.		2313	11.4	West	Former foundry and machine shop, soil contamination		d		N	3,4,7	c	H?		d			d			d	

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						COIs	Potentially Complete Pathway	Historic/ Current	NAPL	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current	COIs	Potentially Complete Pathway	Historic/ Current
Cascade Brake Products		1019	11.3	East	Potential improper disposal of solvent and waste brake fluid	NS	c	?	?	NS	c	?		d			d			d	
Master Chemical Inc.		1302	11.5	East	Chemical-manufacturing facility		d				d			d			d			d	
Valvoline		3215	11.2	East	Former foundry, bulk fuel tank spills and associated contaminated soil (removed)	1,3,4,7	c	?	?	1,3,4,7	c	H?		d			d			d	
Williamson & Bleid		776	11.5	East	Hazardous waste generator, improper storage and disposal	NS	c	?	?	NS	c	?		d			d			d	
Wilbur-Ellis Co. - Portland		1331	11.6	West	Former warehouse and distribution center for agricultural chemicals and fertilizer, some pesticide formulation	NS	c	?	?	NS	c	?		d			d			d	
Mammal Survey & Control Service		1301	11.6	East	Former pesticide-manufacturing facility	NS	c	?	?	NS	c	?		d			d			d	
Tarr Inc.		1139	11.3	East	Bulk fuel and chemical storage, former USTs (decommissioned) and associated soil contamination (4,000 cy removed), oil spill on nearby gravel lot, possible dry well	1,3,4	c	H,C	?	1,3,4	c	?		d			d			d	
RiverTec Property		3067	11.6	West	Former lead-smelting operations	NS	c	?	?	NS	c	H?		d			d			d	
Courtyard Hotel		2500	11.8	East	Contaminated soil from unknown source (removed)	NS	c	?	?		d			d			d			d	

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Notes:

This table is assembled from Table 1 of the Site Summaries. Entries in bold indicate a difference from Table 1 based on additional analysis or a correction.
ECSI number: DEQ Environmental Cleanup Site Inventory number
COI: A chemical is listed as a pathway COI if it was detected in sampled media, identified as having been released to site media, or documented to have been released directly to the river from site operations.

- 1: VOCs
- 2: SVOCs
- 3: PAHs
- 4:TPHs
- 5: Pesticides/Herbicides
- 6: PCB Aroclors and congeners
- 7: Metals
- 8: Butyltins
- 9: Phthalates
- 10: Other
- 11: None reported

Pathway: The potential for impacting in-water media rated as follows:
a: Documented evidence of a complete pathway
b: Likely a complete pathway
c: Insufficient data to make determination
d: Not a complete pathway

Historic/Current: Available information indicates if the predominant impact to in-water media is historic (H) or current (C). H* indicates the facility had a historic overwater pathway, and there are current overwater operations, but there are no current overwater impacts.
NAPL: Available information indicates the presence of historic or current NAPL (Y/N).
N/A = Not applicable, pathway is not present at site (e.g., riverbank at an inland site).
NS = No sampling of upland COIs reported. For storm/waste water, no sampling beyond permit requirements reported.
? = Unknown, typically due to lack of sampling information.

Footnotes
¹ VOC COIs include only BTEX for the Gasco site.
² Non-PAH SVOCs include only carbazole, dibenzofuran, 2,4-dimethylphenol, 1- and 2-methylnaphthalene, 2- and 4-methylphenol, and phenol for the Gasco site.
³ EOSM’s permitted discharge from their wastewater plant was not a complete pathway.

Black: orginal entry
Red: EPA recommendation
Green: LWG recommendation